RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/668,696 A
Source: IFW16
Date Processed by STIC: 07/20/2005

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IFW16

RAW SEQUENCE LISTING DATE: 07/20/2005
PATENT APPLICATION: **US/10/668,696A** TIME: 12:34:26

Input Set : **A:\Keller amdt Seq list.txt**
Output Set: **N:\CRF4\07202005\J668696A.raw**

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      3 <110> APPLICANT: Keller, Nancy P.
      4       Bok, Jin Woo
      6 <120> TITLE OF INVENTION: Global Regulator of Secondary Metabolite Biosynthesis and
Methods
      7       of Use
      9 <130> FILE REFERENCE: 054030-0033
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/668,696A
C--> 11 <141> CURRENT FILING DATE: 2003-09-23
     11 <150> PRIOR APPLICATION NUMBER: US 60/413,073
     12 <151> PRIOR FILING DATE: 2002-09-24
     14 <160> NUMBER OF SEQ ID NOS: 21
     16 <170> SOFTWARE: PatentIn version 3.3
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PATENT APPLICATION: US/10/668,696A TIME: 12:34:26

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Output Set: N:\CRF4\07202005\J668696A.raw

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80 attcctggga tctaatccat ctgcagatgg gttgcggtag tgtcatgggc tggccaaact 1740
82 tgtatcgaag gatattcgca catctccgtc ccggtgcctg gtttgagcag gttgagatcg 1800
84 atttcgagcc tcgatgtgat gatcggtcac tagatggaac ggcattgcgg cattggtacg 1860
86 attgtcttaa acaggcgaca gcagagacca tgcggccaat cgcccatagc tcccgcgata 1920
88 caataaaaga cctgcaggac gctgggttca cggagatcga ccatcaaata gtgggactcc 1980
90 cgctcaaccc gtggcatcag gacgaacacg agcggaaggt ggcacgttgg tataacctgg 2040
92 ccgtctcaga gagcatcgaa aacctcagtc tggctccctt cagtcgtgtc tatcgctggc 2100
94 ccctggagag aatccagcaa ctcgccgcag atgtgaagtc cgaagcattc aacaaagaga 2160
96 tccatgccta caatatactg cacatatacc aggctaggaa accattaaga taagagcaaa 2220
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139 gccatggaca tccagtccat cactgaacga gagccggcga ccagatacgc ggttgcgggc 180
141 ggccctgcgc cctggaatcg caacgggtct ccgagcatga gccctatgta tagcaacaat 240
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145 atgtattttc ttccgtgcga tgagcaagaa caggatcgcc tcgacatctt ccataagcta 360
147 ttcacggtag cgcgggtatc ggagagtctg atctacgcgc cccatccaac caacggccgg 420
149 tttctggacc taggatgtgg aactggtatc tgggcgatcg aggtagcgaa caagtaccct 480
151 gatgcgtttg tcgctggtgt ggatttggct cctattcagc ctccgaacca cccgaagaac 540
153 tgcgagttct acgcgccctt cgacttcgaa gcgccatggg ccatggggga ggattcctgg 600
155 gatctaatcc atctgcagat gggttgcggt agtgtcatgg gctggccaaa cttgtatcga 660
157 aggatattcg cacatctccg tcccggtgcc tggtttgagc aggttgagat cgatttcgag 720
159 cctcgatgtg atgatcggtc actagatgga acggcattgc ggcattggta cgattgtctt 780
161 aaacaggcga cagcagagac catgcggcca atcgcccata gctcccgcga tacaataaaa 840
163 gacctgcagg acgctgggtt cacggagatc gaccatcaaa tagtgggact cccgctcaac 900
165 ccgtggcatc aggacgaaca cgagcggaag gtggcacgtt ggtataacct ggccgtctca 960
167 gagagcatcg aaaacctcag tctggctccc ttcagtcgtg tctatcgctg gcccctggag 1020
169 agaatccagc aactcgccgc agatgtgaag tccgaagcat tcaacaaaga gatccatgcc 1080
171 tacaatatac tgcacatata ccaggctagg aaaccattaa gataa 1125

RAW SEQUENCE LISTING DATE: 07/20/2005
PATENT APPLICATION: **US/10/668,696A** TIME: 12:34:26

Input Set : **A:\Keller amdt Seq list.txt**
Output Set: **N:\CRF4\07202005\J668696A.raw**

174 <210> SEQ ID NO: 3
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176 <212> TYPE: PRT
177 <213> ORGANISM: Aspergillus nidulans
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185 Pro Ala His Asn His Tyr Ser Tyr His Ser Pro Thr Ser Ser Asp Arg
186 20 25 30
189 Gly Arg Ser Arg Gln Asn Ser Asp Ala Met Asp Ile Gln Ser Ile Thr
190 35 40 45
193 Glu Arg Glu Pro Ala Thr Arg Tyr Ala Val Ala Gly Gly Pro Ala Pro
194 50 55 60
197 Trp Asn Arg Asn Gly Ser Pro Ser Met Ser Pro Met Tyr Ser Asn Asn
198 65 70 75 80
201 Ser Glu Arg Asn Gln Phe His Glu Glu Asn Gly Arg Thr Tyr His Gly
202 85 90 95
205 Phe Gly Gly Arg Met Tyr Phe Leu Pro Cys Asp Glu Gln Glu Gln Asp
206 100 105 110
209 Arg Leu Asp Ile Phe His Lys Leu Phe Thr Val Ala Arg Val Ser Glu
210 115 120 125
213 Ser Leu Ile Tyr Ala Pro His Pro Thr Asn Gly Arg Phe Leu Asp Leu
214 130 135 140
217 Gly Cys Gly Thr Gly Ile Trp Ala Ile Glu Val Ala Asn Lys Tyr Pro
218 145 150 155 160
221 Asp Ala Phe Val Ala Gly Val Asp Leu Ala Pro Ile Gln Pro Pro Asn
222 165 170 175
225 His Pro Lys Asn Cys Glu Phe Tyr Ala Pro Phe Asp Phe Glu Ala Pro
226 180 185 190
229 Trp Ala Met Gly Glu Asp Ser Trp Asp Leu Ile His Leu Gln Met Gly
230 195 200 205
233 Cys Gly Ser Val Met Gly Trp Pro Asn Leu Tyr Arg Arg Ile Phe Ala
234 210 215 220
237 His Leu Arg Pro Gly Ala Trp Phe Glu Gln Val Glu Ile Asp Phe Glu
238 225 230 235 240
241 Pro Arg Cys Asp Asp Arg Ser Leu Asp Gly Thr Ala Leu Arg His Trp
242 245 250 255
245 Tyr Asp Cys Leu Lys Gln Ala Thr Ala Glu Thr Met Arg Pro Ile Ala
246 260 265 270
249 His Ser Ser Arg Asp Thr Ile Lys Asp Leu Gln Asp Ala Gly Phe Thr
250 275 280 285
253 Glu Ile Asp His Gln Ile Val Gly Leu Pro Leu Asn Pro Trp His Gln
254 290 295 300
257 Asp Glu His Glu Arg Lys Val Ala Arg Trp Tyr Asn Leu Ala Val Ser
258 305 310 315 320
261 Glu Ser Ile Glu Asn Leu Ser Leu Ala Pro Phe Ser Arg Val Tyr Arg
262 325 330 335
265 Trp Pro Leu Glu Arg Ile Gln Gln Leu Ala Ala Asp Val Lys Ser Glu
266 340 345 350

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279 <212> TYPE: DNA
280 <213> ORGANISM: Aspergillus nidulans
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287 <211> LENGTH: 22
288 <212> TYPE: DNA
289 <213> ORGANISM: Aspergillus nidulans
291 <400> SEQUENCE: 5
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296 <211> LENGTH: 28
297 <212> TYPE: DNA
298 <213> ORGANISM: Aspergillus nidulans
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306 <212> TYPE: DNA
307 <213> ORGANISM: Aspergillus nidulans
309 <400> SEQUENCE: 7
310 gcgaagctta tgaaccgcat caaccga                                     27
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314 <211> LENGTH: 28
315 <212> TYPE: DNA
316 <213> ORGANISM: Aspergillus nidulans
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325 <213> ORGANISM: Aspergillus nidulans
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334 <213> ORGANISM: Aspergillus nidulans
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Output Set: **N:\CRF4\07202005\J668696A.raw**

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358 <210> SEQ ID NO: 13
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361 <213> ORGANISM: Aspergillus nidulans
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369 <212> TYPE: DNA
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378 <212> TYPE: DNA
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413 <211> LENGTH: 24
414 <212> TYPE: DNA
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VERIFICATION SUMMARY DATE: 07/20/2005
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Output Set: **N:\CRF4\07202005\J668696A.raw**

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date